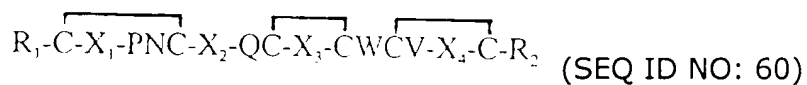


a peptide having an amino acid sequence comprising from 18 to 24 amino acids, R_2 is COOH , CONH_2 or a peptide having up to 12 amino acids, and cyclic, glycosylated, phosphorylated, acetylated, amidated, sulfated derivatives and or fragments thereof having the physiological activity of IGFBP.

Please delete the paragraph on page 2, lines 12-17, and replace it with the following paragraph:

The peptides according to the invention can have disulfide bridges to correspond to the general formula:



In a preferred embodiment, the peptides have a glycine on one or more of the following positions of the amino acid sequence. X_2 on position 4, X_3 on position 9, X_4 on position 4 or 5, and/or X_4 on position 9 or 10.

Please delete the paragraph on page 15, lines 24-26, thru page 16, lines 1-11, and replace it with the following paragraph:

The samples are applied to a Polybrene membrane in amounts of between 100 and 400 pmol. In accordance with the results of mass determinations, the following N-terminal sequences were found:

IGFBP-2-13, MW 12,681

(reduced molecule modified with iodoacetamide, MW 13,045)

Amino acids

GGKHHLGLEEPKKLRPPPARTPCQQELDQV... (SEQ ID NO: 51)

IGFBP-2-13, MW 12,865

(reduced molecule modified with iodoacetamide, MW 13,223)

Amino acids

GKGGKHHLGLEEPKKLRPPPARTPCQQELDQV... (SEQ ID NO: 52)

IGF-II, MW 7471

Amino acids

AYRPSETLCGGEL.... (SEQ ID NO: 53)

Please delete the paragraph on page 18, lines 22-24, and replace it with the following paragraph:

The following N-terminal sequence was found:

IGFBP-4-11, MW 11,344 Da

KVNGAPREDARPVPQGSXQSELIIRALERL... (SEQ ID NO: 54)

Please delete the paragraph on page 19, lines 10-20, and replace it with the following paragraph:

The analysis of the sulfur-bridge cross-linking was performed by cleaving the native peptide IGFBP-4-11 in two different parallel reactions with the endoproteases chymotrypsin and Arg-C. The cleaving fragments obtained were then separated by analytical reversed-phase chromatography and subjected to molecular mass and

sequence analyses. The following fragments containing two cysteines and one sulfur bridge each were obtained:

HPKQCHPALDGQRGKCW (SEQ ID NO: 55), MW 1960

CVDRKTGVKLPGGLEPKGELDCHQLADSF (SEQ ID NO: 56), MW 3112

PVPQGSCQSELHR (SEQ ID NO: 57)

MW 3236

THEDLYIIPNCDR (SEQ ID NO: 58)

Please delete the paragraph on page 20, lines 25-26, thru page 21, lines 1-2, and replace it with the following paragraph:

By a similar method to that used in Examples 1 and 3, a peptide could be isolated from hemofiltrate, having a mass of 2,470 Dalton (MALDI: 2481 Dalton) and the following sequence:

HTRISELKAEAVKKDRRKLTQS (?) (SEQ ID NO: 59)

from which the following sequence results as the C-terminal sequence of IGFBP-3:

KVDYESQSTDTQNFSSSESKRETEYGPCRREMEDTLNHLKFLNVLSPRGVHIPNCDKKG
FYKKKQCRPSKGRKRGFCWCVDKYGQPLPGYTTKGKEDVHCYSMQSK (SEQ ID NO: 46)